



**Anti-Human P2RY13 Monoclonal Antibody**  
**Product Code: CABh-25323**  
**Clone: 6G10-E5**  
**For Research Use Only (RUO)**

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|------------------------|--|
| <b>Alternate Names</b> | GPCR1, GPR86, GPR94, P2Y13, SP174, FKSG77, purinergic receptor P2Y13   |
| <b>Isotype</b>         | IgG1   |
| <b>Conjugate</b>       | Unconjugated   |
| <b>Background</b>      | Human P2Y purinoceptor 13 (P2RY13), is a 7-transmembrane G protein-coupled receptor (GPCR). It is a Class A GPCR. P2RY13 is highly expressed in the spleen and brain. P2RY13 binds adenosine diphosphate (ADP) as a ligand. P2RY13 has been found to be a possible prognostic marker for kidney renal clear cell carcinoma and lung adenocarcinoma. Human P2RY13 protein has >80% sequence homology with mouse P2RY13. |

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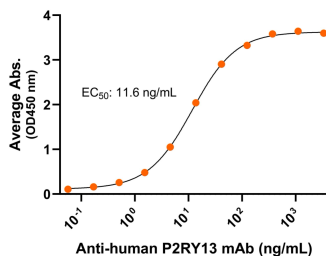
## Product Details

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|-------------------------------------|---|
| <b>Specificity</b>                  | Human   |
| <b>Antibody Type</b>                | Monoclonal antibody   |
| <b>Host Species</b>                 | Mouse   |
| <b>Immunogen</b>                    | P2RY13 N-terminus extracellular domain, the exact sequence of the immunogen is proprietary.; UniProt # Q9BPV8 |
| <b>Formulation / Storage buffer</b> | 0.22µm filtered PBS, pH 7.4   |
| <b>Shipping</b>                     | Frozen Dry Ice  |
| <b>Purification</b>                 | Affinity Enrichment   |
| <b>Stability &amp; Storage</b>      | -80°C   |
| <b>Verified Application</b>         | ELISA   |
| <b>Recommended Usage</b>            | ELISA: starting concentration 1 µg/mL.  |

## Bioactive Data, Detection of Antigen by:

### ELISA

Anti-human P2RY13 Monoclonal Antibody, ELISA  
 0.2µg of P2RY13 protein per well



Immobilized human P2RY13 fragment at 2 µg/mL (100 µL/well) can bind mouse Anti-Human P2RY13 Monoclonal Antibody (Cat. No. CABh-25323) with half maximal effective concentration (EC<sub>50</sub>) range of 5.8-23.2 ng/mL (QC tested).

## Antigen Details

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|--------------------------|--|
| <b>Structure</b>         | 7-transmembrane protein, G protein-coupled receptor (GPCR) |
| <b>Function</b>          | Possible role in hematopoiesis and the immune system       |
| <b>Ligand / Receptor</b> | adenosine diphosphate (ADP)                                |
| <b>Cell Type</b>         | Central nerve system, immune cells, hepatocytes            |
| <b>Molecular Family</b>  | G protein-coupled receptor                                 |
| <b>Gene ID</b>           | Q9BPV8   |